INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding a
Significant Modification to a
Part 70 Operating Permit

for KS Kolbenschmidt US, Inc. in Allen County

Significant Permit Modification No. 003-32785-00064

The Indiana Department of Environmental Management (IDEM) has received an application from KS Kolbenschmidt US, Inc. located at 2425 Coliseum Boulevard South, Fort Wayne, Indiana for a significant modification of its Part 70 Operating Permit issued on December 23, 2009. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow KS Kolbenschmidt US, Inc. to make certain changes at its existing source. KS Kolbenschmidt US, Inc. has applied to modify its fuel usage limits at its engine testing lab facility.

This draft significant permit modification does not contain any new equipment that would emit air pollutants; however, some conditions from previously issued permits/approvals have been corrected, changed or removed. These corrections, changes, and removals may include Title I changes (exchanges that add or modify synthetic minor emission limits). This notice fulfills the public notice procedures to which those conditions are subject. IDEM has reviewed this application, and has developed preliminary findings, consisting of a draft permit and several supporting documents, that would allow for these changes.

A copy of the permit application and IDEM's preliminary findings are available at:

Allen County Library
2201 Sherman Blvd.
Fort Wayne, IN 46803

and

IDEM Northern Regional Office
300 N. Michigan Street, Suite 450
South Bend, IN 46601-1295

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will

make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit No. 003-32785-00064 in all correspondence.

Comments should be sent to:

Joshua Levering
IDEM, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(800) 451-6027, ask for extension 4-6543
Or dial directly: (317) 234-6543
Fax: (317)-232-6749 attn: Joshua Levering
E-mail: JLeverin@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor or noise. For such issues, please contact your local officials.

For additional information about air permits and how you can participate, please see IDEM's **Guide for Citizen Participation** and **Permit Guide** on the Internet at: www.idem.in.gov.

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251 and IDEM Northern Regional Office, 300 N. Michigan Street, Suite 450, South Bend, IN 46601-1295.

If you have any questions please contact Joshua Levering of my staff at the above address.

Jenny Acker, Section Chief
Permits Branch
Office of Air Quality

JL

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DRAFT

Brett Looze
KS Kolbenschmidt US, Inc.
1731 Industrial Parkway
Marinette, WI 54143

Re: 003-32785-00064
Significant Permit Modification to
Part 70 Renewal No.: T003-26469-00064

Dear Brett Looze:

KS Kolbenschmidt US, Inc. was issued a Part 70 Operating Permit Renewal No. T003-26469-00064 on December 23, 2009 for a stationary aluminum foundry and engine testing laboratory located at 2425 Coliseum Boulevard South, Fort Wayne, Indiana. An application requesting changes to this permit was received on January 30, 2013. Pursuant to the provisions of 326 IAC 2-7-12, a significant permit modification to this permit is hereby approved as described in the attached Technical Support Document.

For your convenience, the entire Part 70 Operating Permit Renewal as modified is attached.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Joshua Levering, of my staff, at 317-234-6543 or 1-800-451-6027, and ask for extension 4-6543.

Sincerely,

Jenny Acker, Section Chief
Permits Branch
Office of Air Quality

Attachment(s): Updated Permit and Technical Support Document

JA/JL

cc: File - Allen County
Allen County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch
Billing, Licensing and Training Section
IDEM Northern Regional Office

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Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

DRAFT

Significant Modification to a Part 70 Operating Permit Renewal OFFICE OF AIR QUALITY

KS Kolbenschmidt US, Inc.
2425 Coliseum Blvd South
Fort Wayne, Indiana 46803

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

<table>
<tr><td colspan="2">Operation Permit No.: T003-26469-00064</td></tr>
<tr><td>Original Issued by:
Tripurari P. Sinha, Ph. D., Section Chief
Permits Branch
Office of Air Quality</td><td>Issuance Date: December 23, 2009

Expiration Date: December 23, 2014</td></tr>
<tr><td colspan="2">Administrative Amendment No.: 003-32400-00064, issued on November 19, 2012</td></tr>
<tr><td colspan="2">Significant Permit Modification No.: 003-32785-00064</td></tr>
<tr><td>Issued by:

Jenny Acker, Section Chief
Permits Branch
Office of Air Quality</td><td>Issuance Date:

Expiration Date: December 23, 2014</td></tr>
</table>

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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary engine test lab.

Source Address:	2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
General Source Phone Number:	(219) 426-8081
SIC Code:	8734 (Testing Laboratories)
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)][326 IAC 2-7-5(14)]

This stationary source consists of the following emission units and pollution control devices:

(a) eight (8) engine test cells, all constructed in August 2001, each consisting of one (1) Electric Dyno and one (1) gasoline or diesel fuel fired Reciprocating Internal Combustion Engine, each engine has a maximum heat input rating of 1.1 million British thermal units per hour (MMBtu/hr) and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

A.3 Insignificant Activities [326 IAC 2-7-1(21)]

This stationary source also consists of the following insignificant activities, which are not specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Activities with emissions equal to or less than fifteen (15) pounds per day of VOC:

(1) Four (4) fuel storage tanks for engine test cells, <75 m^3 in volume each, which contain diesel fuel, gasoline, or ethanol.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

(a) It is a major source, as defined in 326 IAC 2-7-1(22);

(b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]

(a) This permit, T003-26469-00064, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7] [IC 13-17-12]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and

(2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

(b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, or Northern Regional Office within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for Office of Air Quality, Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877**.**

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

(A) A description of the emergency;

(B) Any steps taken to mitigate the emissions; and

(C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(6) The Permittee immediately took all reasonable steps to correct the emergency.

(c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.

(d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.

(f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

(g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

(a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

(b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

(c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.

(d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;

(2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and

(4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.

(e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).

(f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]

(g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]

(a) All terms and conditions of permits established prior to T003-26469-00064 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised under 326 IAC 2-7-10.5, or

(3) deleted under 326 IAC 2-7-10.5.

(b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or

anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

(c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

(d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes

final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

(a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b)(1) and (c)(1). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

(1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

(2) If there is a change in the following:

(A) Asbestos removal or demolition start date;

(B) Removal or demolition contractor; or

(C) Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.7 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)][326 IAC 2-7-6(1)]

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of initial startup, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.10 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]

C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

(a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.12 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue

MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:

(AA) All calibration and maintenance records.
(BB) All original strip chart recordings for continuous monitoring instrumentation.
(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:

(AA) The date, place, as defined in this permit, and time of sampling or measurements.
(BB) The dates analyses were performed.
(CC) The company or entity that performed the analyses.
(DD) The analytical techniques or methods used.
(EE) The results of such analyses.
(FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) The address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(d) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) eight (8) engine test cells, all constructed in August 2001, each consisting of one (1) Electric Dyno and one (1) gasoline or diesel fuel fired Reciprocating Internal Combustion Engine, each engine has a maximum heat input rating of 1.1 million British thermal units per hour (MMBtu/hr) and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 PSD Minor Limit [326 IAC 2-2]

The total usage of gasoline and diesel in the eight (8) engine test cells shall be limited such that the CO and NOx emissions shall each be less than 247 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit renders 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the eight (8) engine test cells.

Compliance Determination Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.1.2 Compliance Determination Requirements

In order to demonstrate compliance with the emissions limits in Condition D.1.1, the Permittee shall calculate monthly emissions for NOx and CO for the eight (8) engine test cells using the following equation:

$E_{MX} = [(EF_{GASX} \times G_{GASX}) + (EF_{DSLX} \times G_{DSLX})] \times 1/2{,}000$ (lb/ton)

Where:

E_{MX} = Monthly Emission for Pollutant X (tons/month)
EF_{GASX} = Gas Emission Factor (lb/gallon)
G_{GASX} = Gallons of Gasoline combusted (gallons)
EF_{DSLX} = Diesel Emission Factor (lb/gallon)
G_{DSLX} = Gallons of Diesel combusted (gallons)

Monthly emissions of both NO_x and CO for the combustion of gasoline and diesel shall be calculated and documented as stated in Section D.1.3.

(a) CO emissions factor for the combustion of gasoline shall be 3.94 pounds per gallon.

(b) CO emissions factor for the combustion of diesel shall be 0.13 pounds per gallon.

(c) NOx emissions factor for the combustion of gasoline shall be 0.102 pounds per gallon.

(d) NOx emissions factor for the combustion of diesel shall be 0.604 pounds per gallon.

(e) Emissions from the combustion of Ethanol shall be considered to be the same as combustion of gasoline, and be calculated and recorded as gasoline.

(f) In lieu of the emission factors contained in sections (a) through (d) of this condition, the source may use emission factors from EPA's online WebFIRE database as updated after April 2, 2013.

(1) For sections (a) and (c), emission factors for CO and NOx emissions for the combustion of gasoline may be updated from Source Classification Code (SCC) 2-04-004-01.

(2) For sections (b) and (d), emission factors for CO and NOx emissions for the combustion of diesel may be updated from Source Classification Code (SCC) 2-04-004-02.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.3 Record Keeping Requirements

(a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the fuel usage limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.

(1) The usage of gasoline, in gallons, in the eight (8) engine test cells each month.

(2) The usage of diesel, in gallons, in the eight (8) engine test cells each month.

(3) Records of the emission factors used for CO and NOx when combusting both diesel and gasoline each month.

(4) The weight of CO and NOx emitted for each compliance period.

(5) If the source uses emission factors as allowed under Condition D.1.2(f), then records of the updated emission factors shall be maintained.

(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.

D.1.4 Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a “responsible official” as defined by 326 IAC 2-7-1(35).

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

□ Annual Compliance Certification Letter

□ Test Result (specify)

□ Report (specify)

□ Notification (specify)

□ Affidavit (specify)

□ Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:
Printed Name:
Title/Position:
Phone:
Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: (317) 233-0178
Fax: (317) 233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064

This form consists of 2 pages **Page 1 of 2**

□ This is an emergency as defined in 326 IAC 2-7-1(12)

- The Permittee must notify the Office of Air Quality (OAQ), within four (**4**) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
- The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A **Page 2 of 2**

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:_____

Title / Position: _____

Date:_____

Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: NOx emissions
Limit: 247 tons per twelve (12) consecutive month period

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: CO emissions
Limit: 247 tons per twelve (12) consecutive month period

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

□ No deviation occurred in this quarter.

□ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

DRAFT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064

Months: _____ to _____ Year: _____

This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C-General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	**Duration of Deviation:**
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for a Part 70 Significant Permit Modification

Source Description and Location

Source Name:	KS Kolbenschmidt US, Inc.
Source Location:	2425 Coliseum Blvd South, Fort Wayne, IN 46803
County:	Allen
SIC Code:	8734 (Testing Laboratories)
Operation Permit No.:	T 003-26469-00064
Operation Permit Issuance Date:	December 23, 2009
Significant Permit Modification No.:	003-32785-00064
Permit Reviewer:	Joshua Levering

Existing Approvals

The source was issued Part 70 Operating Permit No. T 003-26469-00064 on December 23, 2009. The source has since received the following approvals:

Administrative Amendment No. 003-32400-00064 issued on November 19, 2012.

County Attainment Status

The source is located in Allen County.

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Attainment effective February 12, 2007, for the Fort Wayne area, including Allen County, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.

[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.
Unclassifiable or attainment effective April 5, 2005, for PM2.5.

(a) Ozone Standards

Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Allen County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) $PM_{2.5}$

Allen County has been classified as attainment for $PM_{2.5}$. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for $PM_{2.5}$ emissions. These rules became effective on July 15, 2008. On May 4, 2011 the air pollution control board issued an emergency rule establishing the direct $PM_{2.5}$ significant level at ten (10) tons per year. This rule became effective, June 28, 2011. Therefore, direct $PM_{2.5}$, SO_2, and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Other Criteria Pollutants

Allen County has been classified as attainment or unclassifiable in Indiana for all other regulated air pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Prior to this modification, this type of facility was one of the twenty-eight (28) listed source categories.

After this modification KS Kolbenschmidt will no longer be categorized as an aluminum foundry because of the removal of the foundry emission units as specified below. The facility will now be described as an engine test lab, and is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7, and there is no applicable New Source Performance Standard that was in effect on August 7, 1980; therefore, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	**Emissions** (ton/yr)
PM	20.92
PM_{10}	23.04
$PM_{2.5}$	23.04
SO_2	6.62
VOC	31.26
CO	114.90
NO_X	117.93
GHGs as CO_2e	28,275.18
Single HAP	<10
Total HAPs	<25

Note: PM10 = PM2.5

(a) Prior to this modification, this existing source is a major stationary source, under PSD (326 IAC 2-2), because a regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(c) These emissions are based upon emission calculations from the Appendix A to the Technical Support Document from Administrative Amendment No. 003-32400-00064.

This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25)

tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a significant permit modification application, submitted by KS Kolbenschmidt US, Inc. on January 30, 2013, relating to the removal of existing foundry emission units and a request to increase fuel usage limits at the test cells. The removal of all foundry units changes the source from SIC code 3365 (Aluminum Foundries) to 8734 (Engine Test Lab), and therefore, KS Kolbenschmidt US, Inc. is no longer included in 1 of the 28 listed source categories. Since the source is no longer 1 of the 28 listed source categories, KS Kolbenschmidt US, Inc. has requested to modify their PSD minor limits.

The following is a list of the foundry emission units that have been removed from the source:

(a) one (1) evaporator, identified as EV1, with a maximum capacity of 0.75 MMBTU/hr and 3.75 gal/hr of oil/water mixture, constructed in 1992, and exhausting to stack 9; and

Specifically Regulated Insignificant Activities

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (MMBtu/hr), including the following:

(1) one (1) natural gas-fired boiler, identified as Boiler #2, with a maximum heat input capacity of 8.4 million British thermal units per hour (MMBtu/hr), constructed in 1955;

(2) one (1) natural gas-fired boiler, identified as Boiler #3, with a maximum heat input capacity of 1.0 million British thermal units per hour (MMBtu/hr), constructed in August 1983;

(3) one (1) natural gas-fired boiler, identified as Boiler #5, with a maximum heat input capacity of 8.59 million British thermal units per hour (MMBtu/hr), constructed in 1955;

(4) one (1) natural gas-fired boiler, identified as Boiler #7, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;

(5) one (1) natural gas-fired boiler, identified as Boiler #8, with a maximum heat input capacity of 2.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;

(6) one (1) natural gas-fired boiler, identified as Boiler #9, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001; and

(7) one (1) natural gas-fired boiler, identified as Boiler #10, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001.

(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to three one-hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations.

(1) one (1) surface grinding operation, consisting of fifteen (15) surface grinders, constructed in 2003, with a maximum total throughput capacity of 800 pounds of processed metal per hour, with emissions controlled by one (1) baghouse;

(c) The following facilities with emissions below the exemption threshold levels:

(1) one (1) natural gas-fired reverberatory furnace, identified as M5, with a maximum heat input capacity of 3.1 MMBtu per hour and a maximum melt capacity of 800 pounds per hour; Note: M5 was previously identified as F20, one of the reverberatory furnaces not removed from the source;

(2) one (1) natural gas-fired reverberatory furnace, identified as M1, constructed in 2004, with a maximum heat input capacity of 1.85 MMBtu per hour and a maximum melt capacity of 1,000 pounds per hour;

(3) one (1) natural gas-fired melt furnace, identified as M4, constructed in April 2001, with a maximum heat input capacity of 5.5 MMBtu per hour and a maximum melt capacity of 2,500 pounds per hour;

(4) one (1) spray booth, identified as SB-1, with a maximum capacity of coating 3 molds per hour and 3 ladles per hour, using air atomization applicators, equipped with paper filters for particulate control and exhausting to the atmosphere;

(5) two (2) parts washing stations, each utilizing less than 145 gallons of solvent per twelve (12) months. One of the three (3) solvents used at the washing stations, identified as Safety Kleen 105 Solvent Recycled, contains 0.01% (100 ppm) of perchloroethylene;

(7) two (2) coating operations for surface coating pistons, which includes a pre-washer, a natural gas fired dry off oven with a maximum heat input capacity of 0.4 million British thermal units (MMBtu) per hour, roller coating, silk screen coating application, and a natural gas-fired curing oven with a maximum heat input capacity of 1.0 MMBtu per hour; and

(8) two (2) phosphate pretreat lines, consisting of six (6) spray tanks connected to a Reverse Osmosis Halo System.

(9) one (1) natural gas-fired heat treat oven, with a maximum rated capacity of 1.2 million British thermal units (MMBtu) per hour, exhausting through one (1) stack.

(d) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. These units also have potential PM, PM_{10}, and SO_2 emissions below insignificant thresholds:

(1) one (1) anodizing line, identified as Anodizing Line #3, processing a maximum of 480 pistons per hour, consisting of the following:

(A) one (1) covered electrolyte holding tank with a maximum capacity of 300 gallons;

(B) one (1) rectifier; and

(C) one (1) packed bed scrubber for control of sulfur dioxide and sulfuric acid mist emissions from the holding tank, exhausting through one (1) stack, SCR3, which exhausts inside the building.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as "the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency."

There is no increase in the potential to emit of any regulated pollutants associated with this modification. This modification is not subject to the source modification requirements under 326 IAC 2-7-10.5. The changes will be incorporated into the permit as a Significant Permit Modification under 326 IAC 2-7-12(d)(1) for a modification that does not qualify as a Minor Modification or Administrative Amendment, because it requires a case-by-case determination of an emission limitation.

Permit Level Determination – PSD

There is no increase in the potential to emit of any regulated pollutants associated with this modification.

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

	Source Wide Potential to Emit After Issuance (ton/yr)									
Process / Emission Unit	**PM**	**PM_{10}**	**$PM_{2.5}$***	**SO_2**	**VOC**	**CO**	**NO_X**	**GHGs**	**Total HAPs**	**Single HAP**
8 Engine Test Cells	17.38	17.38	17.38	16.23	9.28	247.00	247.00	18,193.8	0.43	0.13
4 Fuel Storage Tanks	--	--	--	--	0.62	--	--	--	--	--
Total for Source	17.38	17.38	17.38	16.23	9.90	247.00	247.00	18,193.8	0.43	0.13
PSD Major Source Thresholds	250	250	250	250	250	250	250	100,000 CO_2e	<25	<10

*$PM_{2.5}$ listed is direct $PM_{2.5}$.

(a) After issuance of this permitting action, this existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant, excluding GHGs, is emitted at a rate of two hundred fifty (250) tons per year or more, emissions of GHGs are less than one hundred thousand (100,000) tons of CO_2 equivalent emissions (CO_2e) per

year, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).

(b) Since the unrestricted potential to emit of this source is greater than 250 tons of NO_X and CO per year, this source has elected to limit the potential to emit of the source as follows:

The total usage of gasoline and diesel in the eight (8) engine test cells shall be limited such that the CO and NOx emissions shall each be less than 247 tons per twelve (12) consecutive month period.

In order to demonstrate compliance with the emissions limits in Condition D.1.1, the Permittee shall calculate monthly emissions for NOx and CO for the eight (8) engine test cells using the following equation:

$$E_{MX} = [(EF_{GASX} \times G_{GASX}) + (EF_{DSLX} \times G_{DSLX})] \times 1/2{,}000 \text{ (lb/ton)}$$

Where:

E_{MX} = Monthly Emission for Pollutant X (tons/month)
EF_{GASX} = Gas Emission Factor (lb/gallon)
G_{GASX} = Gallons of Gasoline combusted (gallons)
EF_{DSLX} = Diesel Emission Factor (lb/gallon)
G_{DSLX} = Gallons of Diesel combusted (gallons)

Monthly emissions of both NO_x and CO for the combustion of gasoline and diesel shall be calculated and documented as stated in Section D.1.3.

(a) CO emissions factor for the combustion of gasoline shall be 3.94 pounds per gallon.

(b) CO emissions factor for the combustion of diesel shall be 0.13 pounds per gallon.

(c) NOx emissions factor for the combustion of gasoline shall be 0.102 pounds per gallon.

(d) NOx emissions factor for the combustion of diesel shall be 0.604 pounds per gallon.

(e) Emissions from the combustion of Ethanol shall be considered to be the same as combustion of gasoline, and be calculated and recorded as gasoline.

(f) In lieu of the emission factors contained in sections (a) through (d) of this condition, the source may use updated emission factors from EPA's online WebFIRE database.

Compliance with these limits, in conjunction with the PTE from all other emissions units, shall limit the NOx and CO emissions from the entire source to less than 250 tons per twelve (12) consecutive month period, each, and therefore will render the requirements of 326 IAC 2-2 (PSD) not applicable.

Federal Rule Applicability Determination

The following federal rules are applicable to the source:

NSPS:

(a) This source is not subject to the requirements of the New Source Performance Standard for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60.4200,

Subpart IIII, due to the eight (8) engine test cells were constructed in 2001, prior to the applicable construction dates listed in this subpart. Therefore, the requirements of the NSPS are not included in the permit.

(a) This source is not subject to the requirements of the New Source Performance Standard for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60.4230, Subpart JJJJ, due to the eight (8) engine test cells were constructed in 2001, prior to the applicable construction dates listed in this subpart. Additionally, 40 CFR 60.4230(b) states that the provisions of this subpart are not applicable to stationary SI ICE being tested at an engine test cell. Therefore, the requirements of the NSPS are not included in the permit.

NESHAP:

(a) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Stationary Reciprocating Internal Combustion Engines (RICE), 40 CFR 63.6580, Subpart ZZZZ, due to the specific exemption of the stationary RICE being tested at a test cell/stand, as stated in 40 CFR 63.6585. Therefore, the requirements of the NESHAP are not included in the permit.

(b) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Engine Test Cells/Stands, 40 CFR 63.9280, Subpart PPPPP, because the engine test cells are not located at a major source of HAP emissions, as stated in 40 CFR 63.9285. Therefore, the requirements of the NESHAP are not included in the permit.

State Rule Applicability Determination

The following state rules are applicable to the source due to the modification:

326 IAC 2-2 and 2-3 (PSD and Emission Offset)
PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No. 003-26469-00064. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

(a) The following changes have been made to Section A.

- Section A.1, to the PSD source status has been updated to reflect the status upon issuance of this permit, the SIC Code has been updated, and the source description has been updated.
- The Facility Descriptions under A.2 have been updated to reflect equipment and pollution control devices that are no longer located at the source.
- Section A.3 - Insignificant Activities has been removed in its entirety. All of the previous listed Insignificant Activities have been removed from the source.

Section A has been revised as follows:

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5 (14)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary aluminum foundry that manufactures pistons.

Source Address:	2425 Coliseum Boulevard South, Fort Wayne, Indiana 46803
General Source Phone Number:	(219) 426-8081
SIC Code:	~~3365 (Aluminum Foundries)~~ **8734 (Testing Laboratories)**
County Location:	Allen
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program ~~Major~~**Minor** Source, under PSD **and Emission Offest** Rules Minor Source, Section 112 of the Clean Air Act **Not** 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5 (14)]

This stationary source consists of the following emission units and pollution control devices:

~~(a) one (1) evaporator, identified as EV1, with a maximum capacity of 0.75 MMBTU/hr and 3.75 gal/hr of oil/water mixture, constructed in 1992, and exhausting to stack 9; and~~

(~~b~~**a**) eight (8) engine test cells, all constructed in August 2001, each consisting of one (1) Electric Dyno and one (1) gasoline or diesel fuel fired Reciprocating Internal Combustion Engine, each engine has a maximum heat input rating of 1.1 million British thermal units per hour (MMBtu/hr) and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

A.3 ~~Specifically Regulated~~ Insignificant Activities [326 IAC 2-7-1(21)][~~326 IAC 2-7-4(c)] [326 IAC 2-7-5 (14)]~~

This stationary source also ~~includes~~ **consists of** the following insignificant activities, which are **not** specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Activities with emissions equal to or less than fifteen (15) pounds per day of VOC:

(1) Four (4) fuel storage tanks for engine test cells, <75 m^3 in volume each, which contain diesel fuel, gasoline, or ethanol.

~~(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (MMBtu/hr), including the following:~~

~~(1) one (1) natural gas-fired boiler, identified as Boiler #2, with a maximum heat input capacity of 8.4 million British thermal units per hour (MMBtu/hr), constructed in 1955;~~

~~(2) one (1) natural gas-fired boiler, identified as Boiler #3, with a maximum heat input capacity of 1.0 million British thermal units per hour (MMBtu/hr), constructed in August 1983;~~

~~(3) one (1) natural gas-fired boiler, identified as Boiler #5, with a maximum heat input capacity of 8.59 million British thermal units per hour (MMBtu/hr), constructed in 1955;~~

~~(4) one (1) natural gas-fired boiler, identified as Boiler #7, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;~~

~~(5) one (1) natural gas-fired boiler, identified as Boiler #8, with a maximum heat input capacity of 2.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;~~

~~(6) one (1) natural gas-fired boiler, identified as Boiler #9, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001; and~~

~~(7) one (1) natural gas-fired boiler, identified as Boiler #10, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001.~~

~~(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to three one-hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations.~~

~~(1) one (1) surface grinding operation, consisting of fifteen (15) surface grinders, constructed in 2003, with a maximum total throughput capacity of 800 pounds of processed metal per hour, with emissions controlled by one (1) baghouse;~~

~~(c) The following facilities with emissions below the exemption threshold levels:~~

~~(1) one (1) natural gas-fired reverberatory furnace, identified as M5, with a maximum heat input capacity of 3.1 MMBtu per hour and a maximum melt capacity of 800 pounds per hour; Note: M5 was previously identified as F20, one of the reverberatory furnaces not removed from the source;~~

~~(2) one (1) natural gas-fired reverberatory furnace, identified as M1, constructed in 2004, with a maximum heat input capacity of 1.85 MMBtu per hour and a maximum melt capacity of 1,000 pounds per hour;~~

~~(3) one (1) natural gas-fired melt furnace, identified as M4, constructed in April 2001, with a maximum heat input capacity of 5.5 MMBtu per hour and a maximum melt capacity of 2,500 pounds per hour;~~

~~(4) one (1) spray booth, identified as SB-1, with a maximum capacity of coating 3 molds per hour and 3 ladles per hour, using air atomization applicators, equipped with paper filters for particulate control and exhausting to the atmosphere;~~

~~(5) two (2) parts washing stations, each utilizing less than 145 gallons of solvent per twelve (12) months. One of the three (3) solvents used at the washing stations, identified as Safety Kleen 105 Solvent Recycled, contains 0.01% (100 ppm) of perchloroethylene;~~

~~(6) one (1) 1,000 gallon heated fixed roof ethanol storage tank with an annual throughput of 12,000 gallons or less;~~

~~(7) two (2) coating operations for surface coating pistons, which includes a pre-washer, a natural gas fired dry off oven with a maximum heat input capacity of 0.4 million British thermal units (MMBtu) per hour, roller coating, silk screen coating application, and a natural gas fired curing oven with a maximum heat input capacity of 1.0 MMBtu per hour; and~~

~~(8) two (2) phosphate pretreat lines, consisting of six (6) spray tanks connected to a Reverse Osmosis Halo System.~~

~~(9) one (1) natural gas-fired heat treat oven, with a maximum rated capacity of 1.2 million British thermal units (MMBtu) per hour, exhausting through one (1) stack.~~

~~(d) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. These units also have potential PM, PM_{10}, and SO_2 emissions below insignificant thresholds:~~

~~one (1) anodizing line, identified as Anodizing Line #3, processing a maximum of 480 pistons per hour, consisting of the following:~~

~~(A) one (1) covered electrolyte holding tank with a maximum capacity of 300 gallons;~~

~~(B) one (1) rectifier; and~~

~~(C) one (1) packed bed scrubber for control of sulfur dioxide and sulfuric acid mist emissions from the holding tank, exhausting through one (1) stack, SCR3, which exhausts inside the building.~~

(b) The following changes have been made to Sections B and C as well as typographical and administrative corrections.

- 326 IAC 2-7 requires that "a responsible official" perform certain actions. 326 IAC 2-7-1(34) allows for multiple people to meet the definition of "responsible official." Therefore, IDEM, OAQ is revising all instances of "the responsible official" to read "a responsible official". All instances have been corrected as shown below.

***

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

(a) A certification required by ~~the~~**this** permit meets the requirements of 326 IAC 2-7-6(1) if:

(1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**), and

(2) the certification states that**,** based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) The Permittee may use the attached Certification Form, or its equivalent~~,~~ with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) A "responsible official" is defined at 326 IAC 2-7-1(~~34~~**35**).

***

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

***

(c) The annual compliance certification report shall include the following:

(1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

(2) The compliance status;

(3) Whether compliance was continuous or intermittent;

(4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and

(5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-~~(-6)~~(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

(a) A Preventive Maintenance Plan ~~(PMP)~~ meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

***

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions. **The** PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

B.11 Emergency Provisions [326 IAC 2-7-16]

***

(b) (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, **or Northern Regional Office** within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance and Enforcement Branch), or
Telephone Number: 317-233-0178 (ask for **Office of Air Quality,** Compliance and Enforcement Branch)
Facsimile Number: 317-233-6865
Northern Regional Office phone: (574) 245-4870; fax: (574) 245-4877.

***

(b) (5)

***

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

(e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or

contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4**(c)**(8) be revised in response to an emergency.

***

~~(h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report. Any emergencies that have been previously reported pursuant to paragraph (b)(5) of this condition and certified by a "Responsible Officer" need only reference the date of the original report.~~

***

~~B.15 Reserved~~

~~B.16~~**B.15** Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]

(a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

B.~~17~~**16** Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 **IAC** 2-7-4(a)(2)(D), **in** writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.~~18~~**17** Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12]

***

(b)

***

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

B.~~19~~**18** Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)][326 IAC 2-7-12(b)(2)]

***

B.~~20~~**19** Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

***

(a) (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b ~~or~~**)(1) and** (c**)(1**). The Permittee shall make such records available, upon reasonable request, for public review.

(b)

***

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

B.~~21~~**20** Source Modification Requirement [326 IAC 2-7-10.5]

***

B.~~22~~**21** Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

***

B.~~23~~**22** Transfer of Ownership or Operational Control [326 IAC 2-7-11]

***

(b)

***

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

B.~~24~~**23** Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

***

B.~~25~~**24** Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [326 IAC 1-1-6]

***

***

C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

***

(d)

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The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

***

C.7 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require **a** certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

(~~a~~**b**) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**).

(~~b~~**c**) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

***

C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)~~] [40 CFR 64][326 IAC 3-8]~~**)]**

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or ~~ninety (90) days~~ of initial start-up, whichever is later, to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance or the date of

initial ~~start-up~~**startup**, whichever is later, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~3~~**435**).

***

~~C.10 Reserved~~

~~C.11~~**C.10** Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

***

C.~~12~~**11** Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

***

C.~~13~~**12** Risk Management Plan [326 IAC 2-7-5(~~11~~**12**)] [40 CFR 68]

***

C.~~14~~**13** Response to Excursions or Exceedances [~~40 CFR 64~~][~~326 IAC 3-8~~] [326 IAC 2-7-5] [326 IAC 2-7-6]

***

C.~~15~~**14** Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (~~80~~**180**) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline~~.~~

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~3~~**435**).

***

C.~~16~~**15** Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

~~(a)~~ In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a); ~~and~~

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) (“Regulated pollutant, which is used only for purposes of Section 19 of this rule”) from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "**"**responsible official"**"** as defined by 326 IAC 2-7-1(~~34~~**35**).

~~(b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.~~

C.~~17~~**16** General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6~~] [326 IAC 2-2][326 IAC 2-3~~]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. Support information includes the following:

(AA) All calibration and maintenance records.

(BB) All original strip chart recordings for continuous monitoring instrumentation.

(CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following:

(AA) The date, place, as defined ~~by~~**in** this permit, and time of sampling or measurements.

(BB) The dates analyses were performed.

(CC) The company or entity that performed the analyses.

(DD) The analytical techniques or methods used.

(EE) The results of such analyses.

(FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days **from the date** of permit issuance or ~~ninety (90) days~~**the date** of initial start-up, whichever is later**,** to begin such record keeping.

~~(c) If there is a reasonable possibility as defined in 326 IAC 2-2-8(b) that a "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:~~

~~(1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1jj)) at an existing emissions unit, document and maintain the following records:~~

~~(A) A description of the project.~~

~~(B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.~~

~~(C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:~~

~~(i) Baseline actual emissions;~~

~~(ii) Projected actual emissions;~~

~~(iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and~~

~~(iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.~~

~~(d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2(l)(6)(a)) that a "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(ll)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:~~

~~(1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and~~

~~(2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.~~

~~C.18~~**.17** General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11~~] [326 IAC 2-2] [40 CFR 64] [326 IAC 3-8~~]

(a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted ~~no~~**not** later than thirty (30) days ~~of~~**after** the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~34~~**35**). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

(b) **The** address for report submittal is:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003

Indianapolis, Indiana 46204-2251

(c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

~~(d) Reserved~~

~~(e)~~ Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.

~~(f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) *at an existing emissions unit*, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:~~

~~(1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and~~

~~(2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).~~

~~(g) The report *for project at an existing emissions unit* shall be submitted no later than sixty (60) days after the end of the year and contain the following:~~

~~(1) The name, address, and telephone number of the major stationary source.~~

~~(2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - General Record Keeping Requirements.~~

~~(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).~~

~~(4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.~~

~~Reports required in this part shall be submitted to:~~

~~Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251~~

~~(h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.~~

Stratospheric Ozone Protection

C.~~19~~**18** Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with ~~the~~**applicable** standards for recycling and emissions reduction.

***

(c) The following changes have been made to Sections D.1 through D.5:

(1) Sections D.1, D.3, D.4, and D.5 have been removed, since the previously listed equipment in no longer located at the source.
(2) Section D.2, which permits the test cells, has been renumbered as Section D.1.
(3) The following changes have been made to Section D.1 (previously identified as Section D.2)

- The fuel use limits have been increased because the facility has removed all foundry emission units and is therefore not listed as one of the twenty-eight listed source categories. In addition, two new pounds per kgallon emissions limits from the combustion of fuel has been included for CO and NOx.
- The equivalency determination has been moved to the new Section D.1.2 Compliance Determination Requirements.

Sections D.1, D.2, D.3, D.4, and D.5 have been revised as follows:

~~SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS~~

~~Emissions Unit Description:~~

~~(a) one (1) evaporator, identified as EV1, with a maximum capacity of 0.75 MMBTU/hr and 3.75 gal/hr of oil/water mixture, constructed in 1992, and exhausting to stack 9.~~

~~(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)~~

~~Emission Limitations and Standards [326 IAC 2-7-5(1)]~~

~~D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]~~

~~In order to render 326 IAC 8-1-6 not applicable, the amount of oil charged to the evaporator minus the oil disposed of as waste shall be limited to 32,880 gallons per twelve (12) consecutive month period, with compliance determined at the end of each month. This limits VOC emissions from the evaporator to less than 25 tons per year so that the requirements of 326 IAC 8-1-6 (New Facilities, General Reduction Requirements) do not apply.~~

~~D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(12)]~~

~~A Preventive Maintenance Plan is required for this facility. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.~~

~~Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]~~

~~D.1.3 Record Keeping Requirements~~

~~(a) To document the compliance status with Condition D.1.1, the Permittee shall maintain records of the amount of oil charge to the evaporator and the amount of oil disposed of as waste. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.~~

~~(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.~~

~~D.1.4 Reporting Requirements~~

~~A quarterly summary of the information to document the compliance status with Condition D.1.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(34).~~

***

NOTE: The fuel usage limits are being modified because the source is no longer included in 1 of the 28 listed source categories. Since the source is no longer 1 of the 28 listed source categories, KS Kolbenschmidt US, Inc. has requested to modify their PSD minor limits. The modified fuel usage limits are show below in the new Section D.1.

SECTION D.~~2~~**1** ~~FACILITY~~**EMISSIONS UNIT** OPERATION CONDITIONS

~~Facility~~**Emissions Unit** Description ~~[326 IAC 2-7-5(15)]~~:

(~~b~~**a**) eight (8) engine test cells, all constructed in August 2001, each consisting of one (1) Electric Dyno and one (1) gasoline or diesel fuel fired Reciprocating Internal Combustion Engine, each engine has a maximum heat input rating of 1.1 million British thermal units per hour (MMBtu/hr) and a maximum power output rating of 450 horsepower (HP), each exhausting through one (1) stack (Stacks 1 through 8).

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.~~2~~**1**.1 PSD Minor Limit [326 IAC 2-2]

~~(a) The total usage of gasoline and gasoline equivalents in the eight (8) engine test cells shall not exceed 50,253 gallons of gasoline per twelve (12) consecutive month period, with compliance determined at the end of each month, so that VOC and CO emissions are limited to less than 100 tons per year.~~

~~(b) The total usage of diesel and diesel equivalents in the eight (8) engine test cells shall not exceed 327,814 gallons of diesel fuel per twelve (12) consecutive month period, with compliance determined at the end of each month, so that NOx emissions are limited to less than 100 tons per year.~~

The total usage of gasoline and diesel in the eight (8) engine test cells shall be limited such that the CO and NOx emissions shall each be less than 247 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit renders 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to the eight (8) engine test cells.

Compliance Determination Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D. 1.2 Compliance Determination Requirements

~~(1) every 1,000 gallons of diesel fuel oil burned shall be equivalent to 33 gallons of gasoline based on CO emissions such that the total gallons of gasoline and gasoline equivalent input does not exceed the limit specified;~~

~~(2) every 1,000 gallons of gasoline burned shall be equivalent to 168.9 gallons of diesel fuel oil based on NOx emissions such that the total gallons of diesel fuel oil and diesel fuel oil equivalent input does not exceed the limit specified.~~

In order to demonstrate compliance with the emissions limits in Condition D.1.1, the Permittee shall calculate monthly emissions for NOx and CO for the eight (8) engine test cells using the following equation:

$E_{MX} = [(EF_{GASX} \times G_{GASX}) + (EF_{DSLX} \times G_{DSLX})] \times 1/2{,}000$ (lb/ton)

Where:

E_{MX} = Monthly Emission for Pollutant X (tons/month)
EF_{GASX} = Gas Emission Factor (lb/gallon)
G_{GASX} = Gallons of Gasoline combusted (gallons)
EF_{DSLX} = Diesel Emission Factor (lb/gallon)
G_{DSLX} = Gallons of Diesel combusted (gallons)

Monthly emissions of both NO_x and CO for the combustion of gasoline and diesel shall be calculated and documented as stated in Section D.1.3.

(a) CO emissions factor for the combustion of gasoline shall be 3.94 pounds per gallon.

(b) CO emissions factor for the combustion of diesel shall be 0.13 pounds per gallon.

(c) NOx emissions factor for the combustion of gasoline shall be 0.102 pounds per gallon.

(d) NOx emissions factor for the combustion of diesel shall be 0.604 pounds per gallon.

(e) Emissions from the combustion of Ethanol shall be considered to be the same as combustion of gasoline, and be calculated and recorded as gasoline.

(f) In lieu of the emission factors contained in sections (a) through (d) of this condition, the source may use emission factors from EPA's online WebFIRE database as updated after April 2, 2013.

(1) For sections (a) and (c), emission factors for CO and NOx emissions for the combustion of gasoline may be updated from Source Classification Code (SCC) 2-04-004-01.

(2) For sections (b) and (d), emission factors for CO and NOx emissions for the combustion of diesel may be updated from Source Classification Code (SCC) 2-04-004-02.

Record Keeping and Reporting Requirement [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.~~2~~**1**.~~2~~**3** Record Keeping Requirements

(a) To document the compliance status with Condition D.~~2~~**1**.1, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the fuel usage limits established in Condition D.~~2~~**1**.1. Records necessary to demonstrate compliance shall be available no later than 30 days of the end of each compliance period.

(1) The usage of gasoline ~~and gasoline equivalents~~, in gallons, in the eight (8) engine test cells each month~~;~~**.**

(2) The usage of diesel ~~and diesel equivalents~~, in gallons, in the eight (8) engine test cells each month~~; and~~**.**

(3) Records of the emission factors used for CO and NOx when combusting both diesel and gasoline each month.

(4) The weight of CO and NOx emitted for each compliance period.

(5) If the source uses emission factors as allowed under Condition D.1.2(f), then records of the updated emission factors shall be maintained.

(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.

D.~~2~~**1**.~~3~~**4** Reporting Requirements

A quarterly summary of the information to document the compliance status with Condition D.~~2~~**1**.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, no later than thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(~~3~~**35**).

~~SECTION D.3 FACILITY OPERATION CONDITIONS~~

~~Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities~~

~~(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour (MMBtu/hr), including the following:~~

~~(1) one (1) natural gas-fired boiler, identified as Boiler #2, with a maximum heat input capacity of 8.4 million British thermal units per hour (MMBtu/hr), constructed in 1955;~~

~~(2) one (1) natural gas-fired boiler, identified as Boiler #3, with a maximum heat input capacity of 1.0 million British thermal units per hour (MMBtu/hr), constructed in August 1983;~~

~~(3) one (1) natural gas-fired boiler, identified as Boiler #5, with a maximum heat input capacity of 8.59 million British thermal units per hour (MMBtu/hr), constructed in 1955;~~

~~(4) one (1) natural gas-fired boiler, identified as Boiler #7, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;~~

~~(5) one (1) natural gas-fired boiler, identified as Boiler #8, with a maximum heat input capacity of 2.5 million British thermal units per hour (MMBtu/hr), constructed in 2001;~~

~~(6) one (1) natural gas-fired boiler, identified as Boiler #9, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001; and~~

~~(7) one (1) natural gas-fired boiler, identified as Boiler #10, constructed in 2001, with a maximum heat input capacity of 3.5 million British thermal units per hour (MMBtu/hr), constructed in 2001.~~

~~(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)~~

~~Emission Limitations and Standards [326 IAC 2-7-5(1)]~~

~~D.3.1 Particulate [326 IAC 6-2-3][326 IAC 6-2-4]~~

~~(a) Pursuant to 326 IAC 6-2-3(d) and 326 IAC 6-2-3(e) (Particulate Emission Limitations for Sources of Indirect Heating) the following particulate emission limits shall apply to boilers #2, #3, and #5:~~

~~(1) particulate emissions from each of the 8.4 and 8.59 MMBtu per hour heat input boilers, referred to as Boiler #2 and Boiler #5, respectively, shall not exceed 0.8 pound per MMBtu heat input.~~

~~(2) particulate emissions from the 1.0 MMBtu per hour heat input boiler, referred to as Boiler #3, shall not exceed 0.6 pound per MMBtu of heat input.~~

~~(b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from each of the 3.5, 2.5, 3.5, and 3.5 MMBtu per hour heat input boilers, referred to as boilers #7, #8, #9, and #10, respectively, shall not exceed 0.45 pound per MMBtu of heat input.~~

This limitation is based on the following equation:

$$P_t = \frac{1.09}{Q^{0.26}}$$

where: P_t = pounds of particulate matter emitted per million Btu (lb/MMBtu) heat input
Q = Total source maximum operating capacity rating in MMBtu/hr heat input.
= 30.99 MMBtu/hr

SECTION D.4 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Insignificant Activities

(b) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to three one-hundredths (0.03) grains per actual cubic foot and a gas flow rate less than or equal to four thousand (4,000) actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations.

(1) one (1) surface grinding operation, consisting of fifteen (15) surface grinders, constructed in 2003, with a maximum total throughput capacity of 800 pounds of processed metal per hour, with emissions controlled by one (1) baghouse;

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.4.1 Particulate [326 IAC 6-3-2] [326 IAC 2-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the surface grinding operations shall not exceed 2.22 pounds per hour when operating at a process weight rate of 800 pounds per hour. The pound per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.4.2 Particulate Control

In order to comply with condition D.4.1, the baghouse for particulate control shall be in operation and control emissions from the surface grinding operations at all times that the surface grinding operations are in operation.

SECTION D.5 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]:

(c) The following facilities with emissions below insignificant thresholds:

(1) one (1) natural gas-fired reverberatory furnace, identified as M5, with a maximum heat input capacity of 3.1 MMBtu per hour and a maximum melt capacity of 800 pounds per hour; Note: M5 was previously identified as F20, one of the reverberatory furnaces not

removed from the source;

(2) one (1) natural gas-fired reverberatory furnace, identified as M1, constructed in 2004, with a maximum heat input capacity of 1.85 MMBtu per hour and a maximum melt capacity of 1,000 pounds per hour;

(3) one (1) natural gas-fired melt furnace, identified as M4, constructed in April 2001, with a maximum heat input capacity of 5.5 MMBtu per hour and a maximum melt capacity of 2,500 pounds per hour;

(4) one (1) spray booth, identified as SB-1, with a maximum capacity of coating 3 molds per hour and 3 ladles per hour, using air atomization applicators, equipped with paper filters for particulate control and exhausting to the atmosphere;

(5) two (2) parts washing stations, each utilizing less than 145 gallons of solvent per twelve (12) months. One of the three (3) solvents used at the washing stations, identified as Safety Kleen 105 Solvent Recycled, contains 0.01% (100 ppm) of perchloroethylene;

(6) one (1) 1,000 gallon heated fixed roof ethanol storage tank with an annual throughput of 12,000 gallons or less;

(7) two (2) coating operations for surface coating pistons, which includes a pre-washer, a natural gas fired dry-off oven with a maximum heat input capacity of 0.4 million British thermal units (MMBtu) per hour, roller coating, silk screen coating application, and a natural gas-fired curing oven with a maximum heat input capacity of 1.0 MMBtu per hour; and

(8) two (2) phosphate pretreat lines, consisting of six (6) spray tanks connected to a Reverse Osmosis Halo System;

(9) one (1) natural gas-fired heat treat oven, with a maximum rated capacity of 1.2 million British thermal units (MMBtu) per hour, exhausting through one (1) stack.

(d) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons. These units also have potential PM, PM10, and SO2 emissions below insignificant thresholds:

one (1) anodizing line, identified as Anodizing Line #3, processing a maximum of 480 pistons per hour, consisting of the following:

(A) one (1) covered electrolyte holding tank with a maximum capacity of 300 gallons;

(B) one (1) rectifier; and

(C) one (1) packed bed scrubber for control of sulfur dioxide and sulfuric acid mist emissions from the holding tank, exhausting through one (1) stack, SCR3, which exhausts inside the building.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.5.1 Particulate [326 IAC 6-3-2(e)]

(a) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the reverberatory furnace,

~~identified as M5, shall not exceed 2.22 pounds per hour when the furnace is operating at a process weight rate of 800 pounds per hour.~~

~~(b) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) reverberatory furnace, identified as M1, shall not exceed 2.58 pounds per hour when the furnace is operating at a process weight rate of 1,000 pounds per hour.~~

~~(c) Pursuant to 326 IAC 6-3-2(e) (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the one (1) melt furnace, identified as M4, shall not exceed 4.76 pounds per hour when the furnace is operating at a process weight rate of 2,500 pounds per hour.~~

~~The pounds per hour limitations above were calculated using the following equation:~~

~~Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:~~

~~$E = 4.10 P^{0.67}$ where E = rate of emission in pounds per hour; and P = process weight rate in tons per hour~~

~~D.5.2 Particulate [326 IAC 6-3-2(d)]~~

~~Pursuant to 326 IAC 6-3-2(d), particulate from the spray booth (SB-1) shall be controlled by a dry particulate filter, and the Permittee shall operate the control device in accordance with manufacturer's specifications.~~

~~D.5.3 Secondary Aluminum NESHAP [40 CFR 63, Subpart RRR]~~

~~The two (2) reverberatory furnaces M5 and M1 and the one (1) melt furnace (M4) shall only melt clean charge, customer returns, or internal scrap as defined under 40 CFR 63.1503. Therefore, the requirements of 40 CFR 63, Subpart RRR do not apply.~~

~~D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]~~

~~A Preventive Maintenance Plan is required for the reverberatory furnaces, melt furnace, and spray booth and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.~~

~~Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]~~

~~D.5.5 Monitoring~~

~~(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the dry filters while the booth is in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursion or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursion or Exceedances, shall be considered a deviation from this permit.~~

~~(b) Monthly inspections shall be performed of the coating emissions from the dry filters and the presence of overspray on the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursion or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursion or Exceedances, shall be considered a deviation from this permit.~~

~~Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]~~

~~D.5.6 Record Keeping Requirements~~

~~(a) To document the compliance status with Condition D.5.5, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.~~

~~(b) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to records required by this condition.~~

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INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: ~~Gasoline and Gasoline Equivalents Usage~~ **NOx emissions**
Limit: ~~125,381.00 gallons~~ **247 tons** per twelve (12) consecutive month period

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

Part 70 Quarterly Report

Source Name: KS Kolbenschmidt US, Inc.
Source Address: 2425 Coliseum Blvd South, Fort Wayne, Indiana 46803
Part 70 Permit No.: T003-26469-00064
Facility: Eight (8) engine test cells
Parameter: ~~Diesel and Diesel Equivalents Usage~~ **CO emissions**
Limit: ~~817,881.00 gallons~~ **247 tons** per twelve (12) consecutive month period

QUARTER : YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

☐ No deviation occurred in this quarter.

☐ Deviation/s occurred in this quarter.
Deviation has been reported on:

Submitted by: _____
Title / Position: _____
Signature: _____
Date: _____
Phone: _____

***

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Permit Modification. The staff recommend to the Commissioner that this Part 70 Significant Permit Modification be approved.

IDEM Contact

(a) Questions regarding this proposed permit can be directed to Joshua Levering at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-6543 or toll free at 1-800-451-6027 extension 4-6543.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

Appendix A: Emissions Calculations
Emission Summary

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Significant Permit Modification: 003-32785-00064
Permit Reviewer: Joshua Levering

Uncontrolled Potential to Emit

Emission Unit	PM (tons/yr)	PM_{10} (tons/yr)	$PM_{2.5}$ (tons/yr)	SO_2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	GHG (tons/yr)	Total HAPs (tons/yr)	Single HAP (tons/yr)
8 Engine Test Cells	46.76	46.76	46.76	43.68	664.55	188.25	5011.49	18,193.79	0.43	0.13
4 Fuel Storage Tanks*	--	--	--	--	--	0.62	--	--	--	--
Total Emissions	46.76	46.76	46.76	43.68	664.55	188.87	5,011.49	18,193.79	<25	<10

* The more conservative uncontrolled PTE for PM_{10} is used in calculating the total PTE.

*Values are calculated using TANKS (Version 4.0.9d) - Included as Appendix B to the TSD

Appendix A: Emissions Calculations
Emission Summary

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Significant Permit Modification: 003-32785-00064
Permit Reviewer: Joshua Levering

Limited Potential to Emit

Emission Unit	PM (tons/yr)	PM_{10} (tons/yr)	$PM_{2.5}$ (tons/yr)	SO_2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	GHG (tons/yr)	Total HAPs (tons/yr)	Single HAP (tons/yr)
8 Engine Test Cells	17.38	17.38	17.38	16.23	247.00	9.28	247.00	18,193.79	0.43	0.13
4 Fuel Storage Tanks*	--	--	--	--	--	0.62	--	--	--	--
Total Emissions	17.38	17.38	17.38	16.23	247.00	9.90	247.00	18,193.79	<25	<10

*Values are calculated using TANKS (Version 4.0.9d) - Included as Appendix B to the TSD

Appendix A: Emission Calculations
Internal Combustion Engine Testing
Reciprocating

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Significant Permit Modification: 003-32785-00064
Permit Reviewer: Joshua Levering
Date: March 2013

Emissions calculated based on fuel usage

Maximum Diesel Fuel Usage Per Engine Test Cell (gal/yr) =	275,064.0
Limited Diesel Fuel Usage For All Engine Test Cells (gal/yr) =	817,881.0
Maximum Gasoline Fuel Usage Per Engine Test Cell (gal/yr) =	317,988.0
Limited Gasoline Fuel Usage For All Engine Test Cells (gal/yr) =	125,381.0
Max Engine Capacity per cell (MMBtu/hr)	1.1

	Pollutant						
	PM*	PM_{10}*	$PM_{2.5}$*	SO2	NOx	VOC	CO
Diesel Combustion Emission Factor in lb/1000 gal	42.5	42.5	42.5	39.7	604.0	49.3	130.0
Gasoline Combustion Emission Factor in lb/1000 gal	6.47	6.2	6.2	5.31	102.0	148.0	3940.0
NG Combustion Emission Factor in lb/MMBtu	0.04	0.05	0.048	0.001	3.17	0.12	0.39
Diesel Combustion							
Engine Test Cell #1 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #2 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #3 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #4 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #5 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #6 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #7 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Engine Test Cell #8 Potential Emissions in tons/yr	5.85	5.85	5.85	5.46	83.07	6.78	17.88
Total Potential Emissions in tons/yr (all 8 cells)	**46.76**	**46.76**	**46.76**	**43.68**	**664.55**	**54.24**	**143.03**
Potential Emissions Per Each Cell (lb/hr)	**1.33**	**1.33**	**1.33**	**1.25**	**18.97**	**1.55**	**4.08**
Gasoline Combustion							
Engine Test Cell #1 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #2 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #3 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #4 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #5 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #6 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #7 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Engine Test Cell #8 Potential Emissions in tons/yr	1.03	0.99	0.99	0.84	16.22	23.53	626.44
Total Potential Emissions in tons/yr	**8.23**	**7.89**	**7.89**	**6.75**	**129.74**	**188.25**	**5,011.49**
Potential Emissions Per Each Cell (lb/hr)	**0.23**	**0.23**	**0.23**	**0.19**	**3.70**	**5.37**	**143.02**
Total Worst Case Potential Emissions in tons/yr	**46.76**	**46.76**	**46.76**	**43.68**	**664.55**	**188.25**	**5011.49**
Total Limited Emissions in tons/yr	**17.38**	**17.38**	**17.38**	**16.23**	**247.00**	**9.28**	**247.00**

Note: Natural Gas combustion is shown as a substitute for the combustion of Ethanol. The source has requested the option to use this fuel. The Nox and CO emissions (pound/hour) are lower than gasoline, and therefore, Ethanol will be recorded as gasoline usage.

NG Combustion							
Engine Test Cell #1 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #2 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #3 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #4 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #5 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #6 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #7 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Engine Test Cell #8 Potential Emissions in tons/yr	0.19	0.23	0.23	0.00	15.27	0.58	1.86
Total Potential Emissions in tons/yr	**1.48**	**1.86**	**1.86**	**0.02**	**122.18**	**4.63**	**14.88**
Potential Emissions Per Each Cell (lb/hr)	**0.04**	**0.05**	**0.05**	**0.00**	**3.49**	**0.13**	**0.42**

*PM and PM2.5 emission factors are assumed to be equivalent to PM10 emission factors.

Methodology

Potential Diesel Througput (gal/yr) = 31.4 gal/hr * 8760 hr/yr
Potential Gasoline Througput (gal/yr) = 36.3 gal/hr * 8760 hr/yr

Emission Factors are from FIRE version 6.23, SCC 2-04-004-01, 2-04-004-02, Engine Testing, as of March 26, 2013.
Emission (tons/yr) = [Potential Throughput (gal/yr) / (1000 gal/kgal) x Emission Factor (lb/kgal)] / (2,000 lb/ton)
For NG Combustion: Emission (tons/yr) = [Max Engine Capacity per cell (MMBtu/hr) x Emission Factor (lb/MMBtu)] / (2,000 lb/ton)
*PM emission factors are assumed to be equivalent to PM_M emission factors. All PM is assumed to be less than or equal to 1 micron.

Appendix A: Emission Calculations
Internal Combustion Engine Testing
Reciprocating

Source Name: KS Kolbenschmidt, US, Inc.
Source Location: 2425 Coliseum Blvd. South, Fort Wayne, Indiana 46803
Permit Number: T003-26469-00064
Significant Permit Modification: 003-32785-00064
Permit Reviewer: Joshua Levering
Date: March 2013

Fuel Usage Limitations based on NOx Emissions

Fuel Oil: Diesel

247.00	tons NOx/year limited	*	2200.51	Kgals	=	817.88	Kgals
664.55	tons NOx/year potential			year potential			year limited

Fuel Oil: Gasoline

247.00	tons NOx/year limited	*	2543.90	Kgals	=	4843.14	Kgals
129.74	tons NOx/year potential			year potential			year limited

Fuel Usage Limitations based on CO Emissions

Fuel Oil: Diesel

247.00	tons CO/year limited	*	2200.51	Kgals	=	3800.00	Kgals
143.03	tons CO/year potential			year potential			year limited

Fuel Oil: Gasoline

247.00	tons CO/year limited	*	2543.90	Kgals	=	125.38	Kgals
5011.49	tons CO/year potential			year potential			year limited

Fuel equivalence limit for diesel based on CO emissions from gasoline

143.03	diesel potential emissions (ton/yr)	/	5011.49	gasoline potential emissions (ton/yr)	
2200.51	diesel potential usage (kgal/yr)		2543.90	gasoline potential usage (kgal/yr)	

= 0.0330 Kgal gasoline burned / Kgal diesel burned

Fuel equivalence limit for gasoline based on NOx emissions from diesel

129.74	gasoline potential emissions (ton/yr)	/	664.55	diesel potential emissions (ton/yr)	
2543.90	gasoline potential usage (kgal/yr)		2200.51	diesel potential usage (kgal/yr)	

= 0.1689 Kgal diesel burned / Kgal gasoline burned

Appendix A: Emission Calculations
Reciprocating Internal Combustion Engines - Diesel Fuel
Output Rating (<=600 HP)
Maximum Input Rate (<=4.2 MMBtu/hr)

Company Name: KS Kolbenschmidt US, Inc.
Address City IN Zip: 2425 Coliseum Blvd. South, Fort Wayne, IN
Permit Number: T003-26469-00064
Significant Permit Modification: 003-32785-00064
Reviewer: Joshua Levering
Date: March 2013

Emissions calculated based on output rating (hp)

Eight (8) engine test cells with a maximum rating of 450 hp = 3,600hp

Output Horsepower Rating (hp)	3600.0
Maximum Hours Operated per Year	8760
Potential Throughput (hp-hr/yr)	31,536,000

Hazardous Air Pollutants (HAPs)

	Pollutant							
	Benzene	Toluene	Xylene	1,3-Butadiene	Formaldehyde	Acetaldehyde	Acrolein	Total PAH HAPs***
Emission Factor in lb/hp-hr****	6.53E-06	2.86E-06	2.00E-06	2.74E-07	8.26E-06	5.37E-06	6.48E-07	1.18E-06
Potential Emission in tons/yr	1.03E-01	4.51E-02	3.15E-02	4.32E-03	1.30E-01	8.47E-02	1.02E-02	1.85E-02

***PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)
****Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

Potential Emission of Total HAPs (tons/yr)	**0.428**

Green House Gas Emissions (GHG)

	Pollutant		
	CO2	CH4	N2O
Emission Factor in lb/hp-hr	1.15E+00	4.63E-05	9.26E-06
Potential Emission in tons/yr	1.81E+04	7.30E-01	1.46E-01

Summed Potential Emissions in tons/yr	**1.81E+04**
CO2e Total in tons/yr	**18,193.79**

Methodology
Emission Factors are from AP42 (Supplement B 10/96), Tables 3.3-1 and 3.3-2
CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] * [Maximum Hours Operated per Year]
Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] * [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	T-1
City:	Fort Wayne
State:	Indiana
Company:	ETL
Type of Tank:	Horizontal Tank
Description:	4000-gallon gasoline UST

Tank Dimensions

Shell Length (ft):		15.00
Diameter (ft):		8.00
Volume (gallons):		3,744.00
Turnovers:		33.75
Net Throughput(gal/yr):		126,360.00
Is Tank Heated (y/n):	N	
Is Tank Underground (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	
Shell Condition	

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Fort Wayne, Indiana (Avg Atmospheric Pressure = 14.31 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

T-1 - Horizontal Tank
Fort Wayne, Indiana

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 15.0)	All	49.33	49.33	49.33	48.89	6.6770	6.6770	6.6770	60.0000			92.00	Option 4: RVP=15, ASTM Slope=3

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

T-1 - Horizontal Tank
Fort Wayne, Indiana

Annual Emission Calcaulations

No Standing Losses: Underground Tank

Working Losses (lb):	1,205.2963
Vapor Molecular Weight (lb/lb-mole):	60.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	6.6770
Annual Net Throughput (gal/yr.):	126,360.0000
Annual Turnovers:	33.7500
Turnover Factor:	1.0000
Tank Diameter (ft):	8.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	1,205.2963

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

T-1 - Horizontal Tank
Fort Wayne, Indiana

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Gasoline (RVP 15.0)	1,205.30	0.00	1,205.30

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	T-2
City:	Fort Wayne
State:	Indiana
Company:	ETL
Type of Tank:	Horizontal Tank
Description:	4000-gallon diesel UST

Tank Dimensions

Shell Length (ft):		15.00
Diameter (ft):		8.00
Volume (gallons):		3,744.00
Turnovers:		220.00
Net Throughput(gal/yr):		823,680.00
Is Tank Heated (y/n):	N	
Is Tank Underground (y/n):	Y	

Paint Characteristics

Shell Color/Shade:	
Shell Condition	

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Fort Wayne, Indiana (Avg Atmospheric Pressure = 14.31 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

T-2 - Horizontal Tank
Fort Wayne, Indiana

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	49.33	49.33	49.33	48.89	0.0044	0.0044	0.0044	130.0000			188.00	Option 1: VP40 = .0031 VP50 = .0045

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

T-2 - Horizontal Tank
Fort Wayne, Indiana

Annual Emission Calcaulations

No Standing Losses: Underground Tank

Working Losses (lb):	3.4043
Vapor Molecular Weight (lb/lb-mole):	130.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0044
Annual Net Throughput (gal/yr.):	823,680.0000
Annual Turnovers:	220.0000
Turnover Factor:	0.3030
Tank Diameter (ft):	8.0000
Working Loss Product Factor:	1.0000
Total Losses (lb):	3.4043

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

T-2 - Horizontal Tank
Fort Wayne, Indiana

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Distillate fuel oil no. 2	3.40	0.00	3.40

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	t-3
City:	ft wayne
State:	indiana
Company:	ETL
Type of Tank:	Horizontal Tank
Description:	10,000-gallon diesel AST

Tank Dimensions

Shell Length (ft):		17.00
Diameter (ft):		9.90
Volume (gallons):		9,054.00
Turnovers:		91.00
Net Throughput(gal/yr):		823,914.00
Is Tank Heated (y/n):	N	
Is Tank Underground (y/n):	N	

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Fort Wayne, Indiana (Avg Atmospheric Pressure = 14.31 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

t-3 - Horizontal Tank
ft wayne, indiana

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	51.54	46.67	56.42	49.91	0.0048	0.0040	0.0058	130.0000			188.00	Option 1: VP50 = .0045 VP60 = .0065

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

t-3 - Horizontal Tank
ft wayne, indiana

Annual Emission Calcaulations

Standing Losses (lb):	1.1797
Vapor Space Volume (cu ft):	833.5076
Vapor Density (lb/cu ft):	0.0001
Vapor Space Expansion Factor:	0.0341
Vented Vapor Saturation Factor:	0.9987
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	833.5076
Tank Diameter (ft):	9.9000
Effective Diameter (ft):	14.6422
Vapor Space Outage (ft):	4.9500
Tank Shell Length (ft):	17.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0001
Vapor Molecular Weight (lb/lb-mole):	130.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0048
Daily Avg. Liquid Surface Temp. (deg. R):	511.2145
Daily Average Ambient Temp. (deg. F):	49.8917
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	509.5617
Tank Paint Solar Absorptance (Shell):	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	1,222.3884
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0341
Daily Vapor Temperature Range (deg. R):	19.4986
Daily Vapor Pressure Range (psia):	0.0018
Breather Vent Press. Setting Range(psia):	0.0600
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0048
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.0040
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.0058
Daily Avg. Liquid Surface Temp. (deg R):	511.2145
Daily Min. Liquid Surface Temp. (deg R):	506.3399
Daily Max. Liquid Surface Temp. (deg R):	516.0892
Daily Ambient Temp. Range (deg. R):	19.0000
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9987
Vapor Pressure at Daily Average Liquid: Surface Temperature (psia):	0.0048
Vapor Space Outage (ft):	4.9500
Working Losses (lb):	6.0869
Vapor Molecular Weight (lb/lb-mole):	130.0000
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.0048
Annual Net Throughput (gal/yr.):	823,914.0000
Annual Turnovers:	91.0000
Turnover Factor:	0.4963
Tank Diameter (ft):	9.9000
Working Loss Product Factor:	1.0000
Total Losses (lb):	7.2666

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

t-3 - Horizontal Tank
ft wayne, indiana

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Distillate fuel oil no. 2	6.09	1.18	7.27

TANKS 4.0.9d
Emissions Report - Detail Format
Tank Indentification and Physical Characteristics

Identification

User Identification:	T-4
City:	ft. wayne
State:	indiana
Company:	ETL
Type of Tank:	Horizontal Tank
Description:	1000-gallon ethanol

Tank Dimensions

Shell Length (ft):		12.00
Diameter (ft):		3.90
Volume (gallons):		900.00
Turnovers:		140.00
Net Throughput(gal/yr):		126,000.00
Is Tank Heated (y/n):	N	
Is Tank Underground (y/n):	N	

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition	Good

Breather Vent Settings

Vacuum Settings (psig):	-0.03
Pressure Settings (psig)	0.03

Meterological Data used in Emissions Calculations: Fort Wayne, Indiana (Avg Atmospheric Pressure = 14.31 psia)

TANKS 4.0.9d
Emissions Report - Detail Format
Liquid Contents of Storage Tank

T-4 - Horizontal Tank
ft. wayne, indiana

Mixture/Component	Month	Daily Liquid Surf. Temperature (deg F) Avg.	Min.	Max.	Liquid Bulk Temp (deg F)	Vapor Pressure (psia) Avg.	Min.	Max.	Vapor Mol. Weight.	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Ethyl alcohol	All	51.54	46.67	56.42	49.91	0.4894	0.4106	0.5811	46.0700			46.07	Option 2: A=8.321, B=1718.21, C=237.52

TANKS 4.0.9d
Emissions Report - Detail Format
Detail Calculations (AP-42)

T-4 - Horizontal Tank
ft. wayne, indiana

Annual Emission Calcaulations

Standing Losses (lb):	6.0156
Vapor Space Volume (cu ft):	91.3063
Vapor Density (lb/cu ft):	0.0041
Vapor Space Expansion Factor:	0.0461
Vented Vapor Saturation Factor:	0.9519
Tank Vapor Space Volume:	
Vapor Space Volume (cu ft):	91.3063
Tank Diameter (ft):	3.9000
Effective Diameter (ft):	7.7213
Vapor Space Outage (ft):	1.9500
Tank Shell Length (ft):	12.0000
Vapor Density	
Vapor Density (lb/cu ft):	0.0041
Vapor Molecular Weight (lb/lb-mole):	46.0700
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.4894
Daily Avg. Liquid Surface Temp. (deg. R):	511.2145
Daily Average Ambient Temp. (deg. F):	49.8917
Ideal Gas Constant R (psia cuft / (lb-mol-deg R)):	10.731
Liquid Bulk Temperature (deg. R):	509.5817
Tank Paint Solar Absorptance (Shell):	0.1700
Daily Total Solar Insulation Factor (Btu/sqft day):	1,222.3884
Vapor Space Expansion Factor	
Vapor Space Expansion Factor:	0.0461
Daily Vapor Temperature Range (deg. R):	19.4986
Daily Vapor Pressure Range (psia):	0.1705
Breather Vent Press. Setting Range(psia):	0.0600
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.4894
Vapor Pressure at Daily Minimum Liquid Surface Temperature (psia):	0.4106
Vapor Pressure at Daily Maximum Liquid Surface Temperature (psia):	0.5811
Daily Avg. Liquid Surface Temp. (deg R):	511.2145
Daily Min. Liquid Surface Temp. (deg R):	506.3399
Daily Max. Liquid Surface Temp. (deg R):	516.0892
Daily Ambient Temp. Range (deg. R):	19.0000
Vented Vapor Saturation Factor	
Vented Vapor Saturation Factor:	0.9519
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.4894
Vapor Space Outage (ft):	1.9500
Working Losses (lb):	25.7677
Vapor Molecular Weight (lb/lb-mole):	46.0700
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	0.4894
Annual Net Throughput (gal/yr.):	126,000.0000
Annual Turnovers:	140.0000
Turnover Factor:	0.3810
Tank Diameter (ft):	3.9000
Working Loss Product Factor:	1.0000
Total Losses (lb):	31.7833

TANKS 4.0.9d
Emissions Report - Detail Format
Individual Tank Emission Totals

Emissions Report for: Annual

T-4 - Horizontal Tank
ft. wayne, indiana

	Losses(lbs)		
Components	Working Loss	Breathing Loss	Total Emissions
Ethyl alcohol	25.77	6.02	31.78

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

Notice of Public Comment

April 4, 2013
KS Kolbenschmidt US, Inc.
003-32785-00064

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

Please Note: *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure
PN AAA Cover.dot 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

April 4, 2013

To: Allen County Library

From: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

Applicant Name: KS Kolbenschmidt US, Inc.
Permit Number: 003-32785-00064

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library.dot 03/27/08

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Governor

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Indianapolis, Indiana 46204
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www.idem.IN.gov

ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING

April 4, 2013

Fort Wayne Journal Gazette
600 W Main Street
PO Box 100
Fort Wayne, IN 46801

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for KS Kolbenschmidt US, Inc., Allen County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than April 6, 2013.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Greg Hotopp at 800-451-6027 and ask for extension 4-3493 or dial 317-234-3493.

Sincerely,

Greg Hotopp
Permit Branch
Office of Air Quality

cc: Pat Cuzzort: OAQ Billing, Licensing and Training Section
Permit Level: Significant Permit Modification
Permit Number: 003-32785-00064

Enclosure
PN Newspaper.dot 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

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Indianapolis, Indiana 46204
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Toll Free (800) 451-6027
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April 4, 2013

Mr. Brett Looze
KS Kolbenschmidt US, Inc.
1731 Industrial Parkway
Marinette, WI 54143

Re: Public Notice
KS Kolbenschmidt US, Inc.
Permit Level: Significant Permit Modification
Permit Number: 003-32785-00064

Dear Mr. Looze:

Enclosed is a copy of your draft Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has submitted the draft permit package to the Allen County Public Library, 2201 Sherman Blvd in Fort Wayne, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper. The OAQ has requested that the Fort Wayne Journal Gazette in Fort Wayne, Indiana publish this notice no later than April 6, 2013.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Joshua Levering, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-6543 or dial (317) 234-6543.

Sincerely,

Greg Hotopp

Greg Hotopp
Permits Branch
Office of Air Quality

Enclosures
PN Applicant Cover letter. dot 3/27/08

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

AFFECTED STATE NOTIFICATION OF PUBLIC COMMENT PERIOD
DRAFT INDIANA AIR PERMIT

April 4, 2013

A 30-day public comment period has been initiated for:

Permit Number: **003-32785-00064**
Applicant Name: **KS Kolbenschmidt US, Inc.**
Location: **Fort Wayne, Allen County, Indiana**

The public notice, draft permit and technical support documents can be accessed via the **IDEM Air Permits Online** site at:
http://www.in.gov/ai/appfiles/idem-caats/

Questions or comments on this draft permit should be directed to the person identified in the public notice by telephone or in writing to:

Indiana Department of Environmental Management
Office of Air Quality, Permits Branch
100 North Senate Avenue
Indianapolis, IN 46204

Questions or comments regarding this email notification or access to this information from the EPA Internet site can be directed to Chris Hammack at chammack@idem.IN.gov or (317) 233-2414.

Mail Code 61-53

IDEM Staff	GHOTOPP 4/4/2013 KS Kolbenschmidt US, Inc 003-32785-00064 draft		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
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2		Robert Turcott VP and Gerneral Counsel KS Kolbenschmidt US, Inc 1731 Industrial Parkway Marinette WI 54143 *(RO CAATS)*									
3		Daniel & Sandy Trimmer 15021 Yellow River Road Columbia City IN 46725 *(Affected Party)*									
4		Duane & Deborah Clark Clark Farms 6973 E. 500 S. Columbia City IN 46725 *(Affected Party)*									
5		Fort Wayne City Council and Mayors Office 200 E Berry Street Ste 120 Fort Wayne IN 46802 *(Local Official)*									
6		Mr. Jeff Coburn Plumbers & Steamfitters, Local 166 2930 W Ludwig Rd Fort Wayne IN 46818-1328 *(Affected Party)*									
7		Allen County Public Library (Branch) 2201 Sherman Boulevard Fort Wayne IN 46803 *(Library)*									
8		Allen Co. Board of Commissioners 200 E Berry Street Ste 410 Fort Wayne IN 46802 *(Local Official)*									
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